

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

05-XXE CAB
File No. 0080-01

Mr. Gary Cushnie
Marketing Operations Manager
Chevron Products Company
91-480 Malakole Street
Kapolei, Hawaii 96707-1807

Dear Mr. Cushnie:

Subject: Covered Source Permit (CSP) No. 0080-01-C
Modification Application No. 0080-06
Chevron Products Company
Port Allen Marketing Terminal
Located at: 260 Aka'ula Road (Road A & B), Eleele, Kauai
Date of Expiration: June 2, 2009

The subject covered source permit is issued in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information that you submitted as part of your application received on July 8, 2005, and the additional information received on July 29 and August 1 and 2, 2005. This covered source permit supersedes CSP No. 0080-01-C, issued on June 3, 2005, under application No. 0080-05, in its entirety.

The covered source permit is issued subject to the conditions/requirements set forth in the following Attachments:

- Attachment I: Standard Conditions
- Attachment IIA: Special Conditions - Storage Tanks
- Attachment IIB: Special Conditions - Bottom Loading Load Rack
- Attachment II - INSIG: Special Conditions - Insignificant Activities
- Attachment III: Annual Fee Requirements
- Attachment IV: Annual Emissions Reporting Requirements

The forms for submission are:

- Compliance Certification Form
- Annual Emissions Report Form: Storage Tanks
- Annual Emissions Report Form: Bottom Loading Load Rack
- Monitoring Report Form: Storage Tanks
- Monitoring Report Form: Bottom Loading Load Rack
- Monitoring Report Form: Visible Emissions

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The following are for use in visible emissions monitoring:

Visible Emissions Form Requirements State of Hawaii
Visible Emissions Form State of Hawaii; and
The Ringelmann Chart

This permit: (a) shall not in any manner affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment; and (c) in no manner implies or suggests that the Hawaii Department of Health, or its officers, agents, or employees, assumes any liability, directly or indirectly, for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment.

Sincerely,

THOMAS E. ARIZUMI, P.E., CHIEF
Environmental Management Division

MM:lk

Enclosures

c: Rodney Yama, EHS - Kauai
CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0080-01-C**

[Issuance Date]

Expiration Date: June 2, 2009

This permit is granted in accordance with the Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control, and is subject to the following standard conditions:

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.

(Auth.: HAR §11-60.1-90)

2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be wilfully defaced, altered, forged, counterfeited, or falsified.

(Auth.: HAR §11-60.1-6; SIP §11-60-11)²

3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department of Health, except as provided in HAR, Section 11-60.1-91.

(Auth.: HAR §11-60.1-7; SIP §11-60-9)²

4. A request for transfer from person to person shall be made on forms furnished by the Department of Health.

(Auth.: HAR §11-60.1-7)

5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the Regional Administrator for the U.S. Environmental Protection Agency (EPA).

(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)

6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.

(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)

7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

8. The permittee shall comply with all the terms and conditions of this permit. Any permit noncompliance constitutes a violation of HAR, Chapter 11-60.1 and the Clean Air Act and is grounds for enforcement action; for permit termination, suspension, reopening, or amendment; or for denial of a permit renewal application.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-19, §11-60.1-90)

9. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid.

(Auth.: HAR §11-60.1-90)

10. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the terms and conditions of this permit.

(Auth.: HAR §11-60.1-90)

11. This permit may be terminated, suspended, reopened, or amended for cause pursuant to HAR, Sections 11-60.1-10 and 11-60.1-98, and Hawaii Revised Statutes (HRS), Chapter 342B-27, after affording the permittee an opportunity for a hearing in accordance with HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-90, §11-60.1-98)

12. The filing of a request by the permittee for the termination, suspension, reopening, or amendment of this permit, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(Auth.: HAR §11-60.1-90)

13. This permit does not convey any property rights of any sort, or any exclusive privilege.

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department of Health in writing of the following dates:

- a. The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
- b. The **actual date of construction commencement** within fifteen (15) days after such date; and
- c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

15. The permittee shall furnish, in a timely manner, any information or records requested in writing by the Department of Health to determine whether cause exists for terminating, suspending, reopening, or amending this permit, or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Department of Health copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health may require the permittee to furnish such records not only to the Department of Health but also directly to the U.S. EPA Administrator along with a claim of confidentiality.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Department of Health in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:

- a. Identification of the specific equipment to be taken out of service, as well as its location and permit number;
- b. The expected length of time that the air pollution control equipment will be out of service;
- c. The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
- d. Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
- e. The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

(Auth.: HAR §11-60.1-15; SIP §11-60-16)²

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit,** the permittee shall immediately notify the Department of Health of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:
- a. Identification of each affected emission point and each emission limit exceeded;
 - b. Magnitude of each excess emission;
 - c. Time and duration of each excess emission;
 - d. Identity of the process or control equipment causing each excess emission;
 - e. Cause and nature of each excess emission;
 - f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
 - g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
 - h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

The submittal of these notices shall not be a defense to an enforcement action.

(Auth.: HAR §11-60.1-16; SIP §11-60-16)²

18. A copy of applicable correspondence or records submitted to the Department of Health shall be provided to the U.S. EPA Administrator.

(Auth.: HAR §11-60.1-90)

19. The permittee may request confidential treatment of any records in accordance with HAR, Section 11-60.1-14.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

20. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:

- a. Construction shall be commenced within eighteen (18) months after the permit takes effect, shall not be discontinued for a period of eighteen (18) months or more, and shall be completed within a reasonable time.
- b. For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

21. The Department of Health may extend the time periods specified in Standard Condition No. 20 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department of Health.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

22. The permittee shall submit fees in accordance with HAR, Chapter 11-60.1, Subchapter 6.

(Auth.: HAR §11-60.1-90)

23. All certifications shall be in accordance with HAR, Section 11-60.1-4.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

24. The permittee shall allow the Director of Health, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:

- a. To enter the premises where a source is located or emission-related activity is conducted, or where records must be kept under the conditions of this permit and inspect at reasonable times all facilities, equipment, including monitoring and air pollution control equipment, practices, operations, or records covered under the terms and conditions of this permit and request copies of records or copy records required by this permit; and
- b. To sample or monitor at reasonable times substances or parameters to assure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.

(Auth.: HAR §11-60.1-11, §11-60.1-90)

25. Within thirty (30) days of **permanent discontinuance of the construction, modification, relocation, or operation of the facility covered by this permit**, the discontinuance shall be reported in writing to the Department of Health by a responsible official of the source.

(Auth.: HAR §11-60.1-8; SIP §11-60-10)²

26. Each permit renewal application shall be submitted to the Department of Health no less than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Department of Health may allow a permit renewal application to be submitted no less than six (6) months prior to the permit expiration date, if the Department of Health determines that there is reasonable justification.

(Auth.: HAR §11-60.1-101, 40 CFR §70.5 (a)(1)(iii))¹

27. The terms and conditions included in this permit, including any provision designed to limit a source's potential to emit, are federally enforceable unless such terms, conditions, or requirements are specifically designated as not federally enforceable.

(Auth.: HAR §11-60.1-93)

28. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, Sections 11-60.1-85 and 11-60.1-86. As specified in HAR, Section 11-60.1-86, the compliance certification shall be submitted to the Department of Health and the U.S. EPA Regional Administrator once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

29. **Any document (including reports) required to be submitted by this permit shall be certified as being true, accurate, and complete by a responsible official in accordance with HAR, Sections 11-60.1-1 and 11-60.1-4, and shall be mailed to the following address:**

Clean Air Branch
Environmental Management Division
State of Hawaii Department of Health
P.O. Box 3378
Honolulu, HI 96801-3378

Upon request, all correspondence to the State of Hawaii Department of Health associated with this Covered Source Permit shall have duplicate copies forwarded to:

**Chief
Permits Office, (Attention: Air-3)
Air Division
U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, CA 94105**

(Auth.: HAR §11-60.1-4, §11-60.1-90)

30. To determine compliance with submittal deadlines for time-sensitive documents, the postmark date of the document shall be used. If the document was hand-delivered, the date received ("stamped") at the Clean Air Branch shall be used to determine the submittal date.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

¹ The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

² The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

PROPOSED

ATTACHMENT IIA: SPECIAL CONDITIONS - STORAGE TANKS COVERED SOURCE PERMIT NO. 0080-01-C

[Issuance Date]

Expiration Date: June 2, 2009

In addition to the standard conditions of the covered source permit, the following special conditions shall apply to the permitted facility:

Section A. Equipment Description

1. Attachment IIA of this permit encompasses the following storage tanks:

Tank No.	Capacity (barrels)	Tank Description
1	30,311	Internal floating roof with Allentech Flex-A-Span mechanical shoe primary seal
2	17,263	Internal floating roof with Allentech Flex-A-Span mechanical shoe primary seal
4	5,461	Internal floating roof with mechanical shoe primary seal and secondary seal
5	3,400	Internal floating roof with Allentech Flex-A-Span mechanical shoe primary seal
12	1,600	Internal floating roof with Allentech Flex-A-Span mechanical shoe primary seal

(Auth.: HAR §11-60.1-3)

2. The permittee shall identify the number and product type for each storage tank. The identification number and product type shall be displayed on each tank at a conspicuous location.

(Auth.: HAR §11-60.1-5)

Section B. Applicable Federal Regulations

1. Storage Tank Nos. 1, 5, and 12 are subject to the provisions of the following federal regulations:
 - a. 40 Code of Federal Regulations (CFR), Part 60, Standards of Performance for New Stationary Sources, Subpart A -General Provisions; and

- b. 40 CFR, Part 60, Standards of Performance for New Stationary Sources, Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR 60.2, 40 CFR 60.110b)1

- 2. The permittee shall comply with all applicable provisions of these standards, including all emissions limits and all notification, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the special conditions of this covered source permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161)

Section C. Operational Limitations

- 1. Tank Nos. 1, 5, and 12 Construction and Operation

The storage tanks shall have a fixed roof with an internal floating roof and meet the following specifications:

- a. The true vapor pressure of the volatile organic liquid (VOL) stored shall be maintained below 11 psia at all times.
- b. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside the fixed roof storage tank. The internal floating roof shall be floating on the liquid surface at all times except during initial fill and during those intervals when the storage tank is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of emptying or refilling shall be continuous and shall be accomplished as rapidly as possible.
- c. The storage tank shall be equipped with one of the following closure devices between the wall of the storage tank and the edge of the internal floating roof:
 - i. A foam or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal);
 - ii. Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage tank and the edge of the internal floating roof. The lower may be vapor-mounted, but both must be continuous; or
 - iii. A mechanical shoe seal.

- d. Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and rim space vents is to provide a projection below the liquid surface.
- e. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
- f. Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is being floated off or is being landed on the roof leg supports.
- g. Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
- h. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
- i. Each penetration of the internal floating roof that allows for the passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
- j. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

(Auth.: HAR §11-60.1-3, §11-60.1-39, §11-60.1-90, §11-60.1-161, 40 CFR 60.112b)¹

2. Tank Nos. 2 and 4 Construction and Operation

The storage tanks shall be equipped with an internal floating roof and meet the following specifications:

- a. The true vapor pressure of the VOL stored in the petroleum storage tanks shall be maintained below 11 psia at all times.
- b. The internal floating roofs shall rest or float on the liquid surface and be equipped with a closure seal(s) to close the space between the roof edge and the tank wall. All tank gauging and sampling devices shall be gas-tight except when tank gauging or sampling is taking place.

(Auth.: HAR §11-60.1-3, §11-60.1-39, §11-60.1-90)

Section D. Monitoring and Recordkeeping Requirements

1. Records

Except for the record required by Attachment IIA, Special Condition No. D.6.d, the permittee shall maintain records, including support information, at the facility for at least five (5) years from the date of the monitoring samples, measurements, tests, reports, or application. Support information includes all maintenance, inspection, and repair records, and copies of all reports required by this permit. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

2. Tank Nos. 5 and 12 Initial Inspection

After installing the control equipment required to meet Attachment IIA, Special Condition Nos. C.1.b through C.1.j, the permittee shall visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the permittee shall repair the items before filling the storage vessel.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.113b, SIP §11-60-15)^{1,2}

3. Tank Nos. 1, 5, and 12 Annual Inspection

The permittee shall visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every **twelve (12) months** after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the storage tank from service within **forty-five (45) days**. If a failure that is detected during inspections required by this paragraph cannot be repaired within **forty-five (45) days** and if the tank cannot be emptied within **forty-five (45) days**, a **thirty (30)-day** extension may be requested from the Department of Health in the inspection report required by Attachment IIA, Special Condition No. E.8. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the permittee will take that will assure that the control equipment will be repaired or the storage tank will be emptied as soon as possible.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90 §11-60.1-161, 40 CFR §60.113b, SIP §11-60-15)^{1,2}

4. Tank Nos. 1, 5, and 12 Inspection (Emptied and Degassed)

The permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes, and sleeve seals (if any) each time the storage tanks are emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or seal fabric, or the secondary seal has holes, tears or other openings in the seal or seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the permittee shall repair the items, as necessary, so that none of the conditions specified in this paragraph exist before refilling the storage tank with VOL. In no event shall inspections conducted in accordance with this paragraph occur at intervals greater than **ten (10) years**.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90 §11-60.1-161, 40 CFR §60.113b, SIP §11-60-15)^{1,2}

5. Tank Nos. 2 and 4 Inspection

The permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the petroleum storage tank is emptied and degassed.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

6. Tank Nos. 1, 5, and 12 Records

- a. The permittee shall keep records of each inspection performed as required by Attachment IIA, Special Condition Nos. D.2, D.3, and D.4. Records shall include the tank identification, the date the tank was inspected, and the observed condition of each component of the control equipment (seals, internal floating roof, fittings, etc.).
- b. For the storage tanks, records shall be maintained on the type of VOL stored, the period of storage, and the maximum true vapor pressure (psia) of VOL during the respective storage period. Determination of the true vapor pressure shall be done in accordance with 40 CFR, Part 60, §60.116b(e).
- c. A tank gauging system shall be operated and maintained for the tanks to determine the yearly throughput of product for purposes of annual emissions reporting.
- d. Records showing the dimensions (feet) of the storage tanks and the analysis showing the capacity (gallons or barrels) of the storage tanks shall be maintained for the life of each tank.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90 §11-60.1-161, 40 CFR §60.115b, §60.116b, SIP §11-60-15)^{1,2}

7. Tank Nos. 2 and 4 Records

- a. Tank gauge readings shall be recorded and the records maintained to determine the yearly throughput for purposes of annual emissions reporting.
- b. Records showing the dimensions (feet) of the storage tank and the analysis showing the capacity (gallons or barrels) of the storage tank shall be maintained.
- c. Records shall be maintained on the type of VOL stored, the period of storage, and the maximum true vapor pressure (psia) of VOL during the respective storage period. The method used to determine the maximum true vapor pressure shall be identified in the records.
- d. Records shall be maintained on each inspection and corrective action performed including records of the storage tank identification number, the date the tank was inspected, the observed condition of each component of the control equipment (e.g., seals, internal floating roof, fittings, etc.), and any repairs made.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

Section E. Notification and Reporting Requirements

1. Standard Condition Reporting

Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 14, 16, 17, and 25, respectively:

- a. Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up of Tank Nos. 5 and 12;
- b. Intent to shut down air pollution control equipment for necessary scheduled maintenance;
- c. Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedences due to emergencies); and
- d. Permanent discontinuance of construction, modification, relocation, or operation of the facility, or any storage tank, covered by this permit.

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90; SIP §11-60-10; SIP §11-60-16)¹

2. Deviations

The permittee shall report **within five (5) working days** any deviations from permit requirements, including those attributed to upset conditions, the probable cause of such deviations, and any corrective actions or preventive measures taken. Corrective actions may include a requirement for testing, or more frequent monitoring, or could trigger implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. Monitoring Report

The permittee shall submit **semi-annually** the following written report to the Department of Health. The report shall be submitted **within sixty (60) days after** the end of each semi-annual calendar period (January 1 - June 30 and July 1 - December 31), and shall include the following:

- a. For each storage tank, any true vapor pressure that exceeded 11 psia for the product stored during the reporting period;
- b. Summary of any defects found with the control equipment and storage tank(s) during the reporting period for which an inspection was performed; and
- c. Deviations from permit requirements shall be clearly identified and addressed in the reports.

The enclosed **Monitoring Report Form: Storage Tanks**, shall be used for reporting.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

4. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall submit **annually** the total tons-per-year emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following** the end of each calendar year. Completion and submittal of the **Annual Emissions Report Form: Storage Tanks**, shall be used for reporting.

Upon the written request of the permittee, the deadline for reporting of annual emissions may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

5. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, the attached **Compliance Certification Form** pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification, including the requirements of Section 114 (a) (3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504 (b) of the Clean Air Act; and
- f. Any additional information as required by the Department of Health, including information to determine compliance.

The compliance certification shall be submitted within **ninety (90) days after** the end of each calendar year and shall be signed and dated by a responsible official.

Upon the written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

6. Tank Nos. 1, 5, and 12 Filling and Refilling

The permittee shall notify the Department of Health in writing at least **thirty (30) days** prior to each time the storage tank is to be filled or refilled for which an inspection is required by Attachment IIA, Special Condition Nos D.2 and D.4. If the inspection required by Attachment IIA, Special Condition No. D.4 is unplanned and the required **thirty (30) day** advance notice cannot be given, the permittee shall notify the Department of Health at least **seven (7) days prior** to refilling the tank. Notification shall be made by telephone followed immediately by written documentation demonstrating why the inspection was

unplanned. Alternatively, this notification, including the written documentation, may be made in writing and sent by express mail, so that the Department of Health receives the notice at least **seven (7) days prior** to the refilling.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.113b)¹

7. Tank Nos. 1, 5, and 12 Initial Inspection Report

The permittee shall furnish a report to the Department of Health after installing the control equipment in accordance with Attachment IIA, Special Condition Nos. C.1.b through C.1j and performing visual inspection pursuant to Attachment IIA, Special Condition No. D.2. The report shall describe the control equipment and certify that the control equipment meets the specifications of Attachment IIA, Special Condition Nos. C.1.b through C.1j and Attachment IIA, Special Condition No. D.2. This report shall be an attachment to the notification required by 40 CFR §60.7(a)(3).

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60-161, 40 CFR §60.115b)¹

8. Tank Nos. 1, 5, and 12 Annual Inspection Report

A report shall be submitted within **thirty (30) days** of the annual visual inspection required by Attachment IIA, Special Condition No. D.3 if any conditions described in Special Condition No. D.3 are detected. Each report shall identify the storage tank, the nature of defects, and the date the storage tank was emptied or the nature and date the repair was made.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60-161, 40 CFR §60.115b)¹

Section F. Agency Notification

1. Any document (including reports) required to be submitted by this covered source permit shall be in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹ The citations to the CFR identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

² The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

PROPOSED

ATTACHMENT IIB: SPECIAL CONDITIONS - BOTTOM LOADING LOAD RACK COVERED SOURCE PERMIT NO. 0080-01-C

[Issuance Date]

Expiration Date: June 2, 2009

In addition to the standard conditions of the covered source permit, the following special conditions shall apply to the permitted facility:

Section A. Equipment Description

1. Attachment IIB encompasses the following equipment:
 - a. Bottom loading load rack with one (1) loading lane and nine product load arms; and
 - b. 4,800 gallon per minute capacity John Zink vapor combustion system, model no. ZCT-2-8-35-X-2/8-X-X, serial no. VC-954547.

(Auth.: HAR §11-60.1-3)

2. The permittee shall install an identification tag or name plate on the vapor combustion system which identifies the model no., serial number no., and manufacturer. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

(Auth.: HAR §11-60.1-5)

Section B. Applicable Federal Regulations

1. The bottom loading load rack and associated appurtenances are subject to the provisions of the following federal regulations:
 - a. 40 CFR, Part 60, Standards of Performance for New Stationary Sources, Subpart A - General Provisions; and
 - b. 40 CFR, Part 60, Standards of Performance for New Stationary Sources, Subpart XX - Bulk Gasoline Terminals.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.2, 40 CFR §60.500)¹

2. The permittee shall comply with all applicable provisions of these standards, including all emissions limits and all notification, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the special conditions of this covered source permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161)

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Section C. Operational Limitations

1. Load Rack Throughput

The total combined throughput of the bottom loading load rack shall not exceed 5,631,429 barrels of aviation gasoline, denatured ethanol, motor gasoline, and naphtha/whole straight run gasoline in any rolling twelve-month (12-month) period.

(Auth.: HAR §11-60.1-3, §11.60.1-5, §11-60.1-90)

2. Tank Truck Loading

Loading of liquid product into all gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks. To verify vapor-tightness of the tank trucks, the permittee shall perform the following:

- a. Obtain the vapor tightness documentation referenced in Attachment IIB, Special Condition No. D.4 for each gasoline tank truck which is to be loaded at the facility.
- b. Require the tank identification number to be recorded as each gasoline tank truck is loaded at the terminal.
- c. **Within two (2) weeks** after the corresponding tank truck loading, the permittee shall cross-check each tank identification number with the vapor tightness documentation file referenced in Attachment IIB, Special Condition No. D.4;
- d. Notify the owner or operator of the respective tank truck within **one (1) week** after the loading has occurred if the documentation file shows a tank truck to be nonvapor-tight.
- e. Ensure that the nonvapor-tight gasoline tank truck is not reloaded at the facility until the vapor tightness documentation for that truck is obtained and the test results document a vapor-tight tank; and
- f. Alternate procedures to Attachment IIB, Special Condition Nos. C.2.a through C.2.e for limiting gasoline tank truck loadings may be used upon application to, and approval by, the Department of Health.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §11-60.1-161, 40 CFR §60.502)¹

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3. Vapor Collection System

- a. The permittee shall ensure that the terminal's and tank truck's vapor collection systems are connected properly and that the scully is connected prior to each tank truck loading. Examples of actions to ensure that systems are properly connected include training drivers in the hookup procedures and posting visible reminder signs at the bottom loading load rack.
- b. The permittee shall ensure that loading operations are made into tank trucks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.
- c. The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 Pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in 40 CFR §60.503(d).
- d. No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 Pascals (450 mm of water).
- e. The vapor collection system shall be designed to prevent any total organic compound vapors collected at the bottom loading load rack from passing to another load rack.

(Auth.: HAR §11-60.1-3, §11-60.1-5 §11-60.1-90, §11-60.1-161, 40 CFR 60.502, 40 CFR 60.503)¹

4. Vapor Combustion System

- a. Emissions to the atmosphere from the vapor combustion system shall not exceed thirty-five milligrams of total organic compounds per liter (35 mg/l) of gasoline loaded.
- b. For any six (6) minute averaging period, the vapor combustion system shall not exhibit visible emissions of twenty (20) percent opacity or greater, except as follows: during startup, shutdown, or equipment breakdown, the vapor combustion system may exhibit visible emissions greater than twenty (20) percent opacity but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minutes.
- c. The vapor combustion system shall be fully functional and operational at all times whenever tank trucks are loaded at the bottom loading load rack. A pilot flame, as detected by the flame scanner, shall be present during each operation to load tank trucks.

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- d. The vapor combustion system shall be operated and maintained in accordance with manufacturer's specifications, or as needed, and inspected in accordance with Attachment IIB, Special Condition No. D.8.

(Auth.: HAR §11-60.1-3, HAR §11-60.1-5, §11-60.1-32, §11-60.1-90, §11-60.1-161, 40 CFR 60.502)¹

5. Repairs

Any leaks or defects detected at the facility during the monthly inspection required by Attachment IIB, Special Condition No. D.8, shall be repaired within **fifteen (15) calendar days** after it is detected.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.502, SIP §11-60-15)^{1,2}

Section D. Monitoring and Recordkeeping Requirements

1. Records

All records, including but not limited to, measurements and monitoring data, performance test results, inspections, maintenance performed, support information, reports required by permit, and all other information required by 40 CFR Part 60, Subpart XX, shall be maintained in a permanent form suitable for inspection and shall be provided upon request to the Department of Health. All records shall be retained for **at least five (5) years** following the date of such measurements, calibration, sample, maintenance, or reports.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

2. Load Rack Throughput

The permittee shall install, operate, and maintain a flow meter for the bottom loading load rack to determine the throughput of each product loaded. A record of daily throughput of each product shall be maintained and the cumulative product throughput on a monthly and rolling twelve-month (12-month) basis shall be reported in accordance with Attachment IIB, Special Condition No. E.3.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

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3. Flame Monitor

The permittee shall maintain and operate a flame scanner for the vapor combustion system to detect the presence of a pilot flame during tank truck loading operations. Maintenance or servicing shall be performed on the vapor combustion system if the flame scanner indicates the pilot assembly is not igniting during operations to load tank trucks.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

4. Tank Truck Vapor Tightness

The permittee shall maintain a tank truck vapor tightness documentation file on each gasoline tank truck to be loaded at the facility for purposes of the requirements specified in Attachment IIB, Special Condition No. C.2. The file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by 40 CFR 60, Appendix A, Method 27, Determination of Vapor Tightness of Gasoline Delivery Tank Using Pressure-Vacuum Test. This documentation file shall include, at a minimum, the following information:

- a. Test title: Gasoline Delivery Tank Pressure Test - EPA Reference Method 27;
- b. Tank owner and address;
- c. Tank identification number;
- d. Testing location;
- e. Date of test;
- f. Tester name and signature;
- g. Witnessing inspector, if any: name, signature, and affiliation; and
- h. Test results: actual pressure change in five (5) minutes, as measured in mm of water (average for two (2) runs).

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.505, SIP §11-60-15)^{1,2}

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5. Pressure Measurement

The permittee shall operate and maintain a pressure measurement device (e.g., liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with ± 2.5 mm of water precision for purposes of the requirements specified Attachment IIB, Special Condition No. C.3. The device shall be calibrated and installed on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.503, SIP §11-60-15)^{1,2}

6. Maintenance

The permittee shall keep maintenance records of all replacements or addition of components performed on the vapor collection system, vapor combustion system, and bottom loading load rack.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.505, SIP §11-60-15)^{1,2}

7. Tank Truck Owner Notification

The permittee shall keep documentation of all notifications made to owners or operators of gasoline tank trucks that were found to be non-vapor tight, as required by Attachment IIB, Special Condition No. C.2.d.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, 40 CFR §60.505, SIP §11-60-15)^{1,2}

8. Monthly Leak Inspections

At least monthly, the vapor collection system, vapor combustion system, and the bottom loading load rack shall be inspected during the loading of gasoline tank trucks for total organic compound liquid or vapor leaks. For purposes of this paragraph, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be documented and reported in accordance with Attachment IIB, Special Condition No. E.3.c and include, at a minimum, the following information:

- a. Date of inspection;
- b. Findings - indicate either no leaks discovered or the location, nature, and severity of each leak;
- c. Leak determination method;

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d. Corrective action including date of repair and reason for any repair interval in excess of 15 days; and

e. Inspector's name and signature.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR 60.502, 40 CFR 60.505, SIP §11-60-15)^{1,2}

9. Visible Emissions (V.E.)

a. Except in those months where V.E. observations are conducted by a certified reader for the annual observation of the vapor combustion system, the permittee shall conduct **monthly** (calendar month), V.E. observations of the vapor combustion system to determine the presence of visible emissions during the loading of tank trucks. The **Monitoring Report Form: Bottom Loading Load Rack**, shall be used for reporting. After initial start-up of the vapor combustion system, if visible emissions are observed during tank truck loading, V.E. observations shall be conducted in accordance with Attachment IIB, Special Condition No. D.9.b.

b. Except in those months where V.E. observations are conducted by a certified reader for the annual observations of the vapor combustion system and if visible emissions are observed pursuant to Attachment IIB, Special Condition D.9.a, the permittee shall conduct **monthly** (calendar month), V.E. observations for the vapor combustion system in accordance with Method 9 or by use of a Ringelmann Chart as provided. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the visible emissions form requirements. If there are no visible emissions from the vapor combustion system, V.E. observations shall be conducted in accordance with Attachment IIB, Special Condition D.9.a.

c. The permittee shall conduct annually (calendar year), V.E. observations for the vapor combustion system by a certified reader in accordance with 40 CFR, Part 60, Appendix A, Method 9. For the annual observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the visible emissions form requirements.

d. Upon written request and justification by the permittee, the Department of Health may waive the requirement for the annual V.E. observation for the vapor combustion system. The waiver request is to be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation

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should include, but is not limited to, the results of the prior V.E. observations indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous annual V.E. Observation.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

Section E. Notification and Reporting Requirements

1. Standard Condition Reporting

Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 16, 17 and 25, respectively:

- a. Intent to shut down air pollution control equipment for necessary scheduled maintenance;*
- b. Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedences due to emergencies); and*
- c. Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.*

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90; SIP §11-60-10; SIP §11-60-16)²

2. Deviations

The permittee shall report **within five (5) working days** any deviations from permit requirements, including those attributed to upset conditions, the probable cause of such deviations, and any corrective actions or preventive measures taken. Corrective actions may include a requirement for testing, or more frequent monitoring, or could trigger implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. Monitoring Report

The permittee shall submit **semi-annually** the following written report to the Department of Health. The report shall be submitted **within sixty (60) days after** the end of each semi-annual calendar period (January 1 - June 30 and July 1 - December 31), and shall include the following:

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- a. The throughput (barrels) summary of the load rack by type of product on a monthly and rolling twelve-month (12-month) basis;
- b. All incidences when a pilot flame was not present at the vapor combustion system;
- c. Summary of any leaks or defects found at the load rack during the reporting period for which an inspection was performed;
- d. Incidences when visible emissions were observed from the vapor combustion system during the reporting period for which an monthly observation was performed;
- f. Any opacity exceedances as determined by visible emissions monitoring of the vapor combustion system. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit, in writing, a statement that there were no exceedances for that semi-annual period; and
- g. Deviations from permit requirements shall be clearly identified and addressed in the reports.

The enclosed **Monitoring Report Form: Bottom Loading Load Rack** and **Monitoring Report Form: Visible Emissions**, shall be used for reporting.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, SIP §11-60-15)²

4. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall submit **annually** the total tons-per-year emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following** the end of each calendar year. Completion and submittal of the **Annual Emissions Report Form: Bottom Loading Load Rack**, shall be used for reporting.

Upon the written request of the permittee, the deadline for reporting annual emissions may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

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5. Performance Testing

- a. **At least thirty (30) days prior** to conducting a source performance test required by Attachment IIB, Special Condition F.1, the permittee shall submit a test plan notifying the Department of Health of the event and the procedures for the performance test. Notification shall be in accordance with Attachment IIB, Special Condition No. F.5.
- b. **Within sixty (60) days after** completion of a source performance test, the permittee shall submit the test results as specified in Attachment IIB, Special Condition No. F.6.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161;
40 CFR 60.8, 40 CFR 60.503; SIP §11-60-15)^{1,2}

6. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9 the attached **Compliance Certification Form** pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification, including the requirements of Section 114 (a) (3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504 (b) of the Clean Air Act; and
- f. Any additional information as required by the Department of Health, including information to determine compliance.

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The compliance certification shall be submitted within **ninety (90) days after** the end of each calendar year and shall be signed and dated by a responsible official.

Upon the written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

Section F. Testing Requirements

1. Annual Performance Testing

On an annual basis, or at such other times as determined by the Department of Health, the permittee shall conduct or cause to be conducted performance tests on the bottom loading load rack to determine compliance with Attachment IIB, Special Conditions Nos. C.3.c and C.4.a.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.8, 40 CFR §60.503; SIP §11-60-15)^{1,2}

2. Testing Expense and Monitoring

The permittee shall provide sampling and testing facilities at its own expense and the Department of Health may monitor the tests performed at the facility.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. Test Procedures

- a. To determine compliance with Attachment IIB, Special Condition No. C.3.c, during the performance test, the pressure shall be recorded every 5 minutes while a gasoline tank truck is being loaded; the highest instantaneous pressure that occurs during each loading shall also be recorded. Every loading position must be tested at least once during the performance test.
- b. Compliance with Attachment IIB, Special Condition No. C.4.a shall be determined as follows:

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- i. The performance test shall be six (6) hours long during which at least 300,000 liters of gasoline shall be loaded. If this is not possible, the test may be continued the same day until 300,000 liters of gasoline are loaded or the test may be resumed the next day with another complete six-hour period. In the later case, the 300,000 liter criterion need not be met. As much as possible, testing should be conducted during the six-hour period in which the highest throughput normally occurs.
- ii. If the vapor processing system is intermittent in operation, the performance test shall begin at a reference vapor holder level and shall end at the same reference point. The test shall include at least two startups and shutdowns of the vapor processor. If this does not occur under automatically controlled operations, the system shall be manually controlled.
- iii. The emission rate (E) of total organic compounds shall be computed using the equation described in 40 CFR Part 60, §60.503(c)(3).
- iv. The performance test shall be conducted in intervals of five (5) minutes. For each interval "I", readings from each measurement shall be recorded, and the volume exhausted (V_{esi}) and the corresponding average total organic compounds concentration (C_{ei}) shall be determined. The sampling system response time shall be considered in determining the average total organic compounds concentration corresponding to the volume exhausted.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR 60.8; SIP §11-60-15)^{1,2}

4. Test Methods

Performance tests shall be conducted and results reported in accordance with the test methods and procedures set forth in 40 CFR §60.8, 40 CFR §60.503, and 40 CFR Part 60, Appendix A. The following test methods in 40 CFR 60 Appendix A shall be used, unless prior approval is received by the Department of Health to use an EPA-approved equivalent method:

- a. Method 21, Determination of Volatile Organic Compound Leaks. This procedure shall be performed immediately before the performance test to monitor leakage of vapors from all potential sources in the terminal's vapor collection system while a gasoline tank truck is being loaded. Any areas measured at 10,000 ppm (as methane) or greater, shall be repaired prior to conducting the performance test.

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- b. Method 2A, Direct Measurement of Gas Volume Through Pipes and Small Ducts. This procedure is applicable to measurement of gas flow rate within the temperature range of 0 to 50 °C and is required for the incinerator inlet installation.
- c. Method 2B, Determination of Exhaust Gas Volume Flow Rate From Gasoline Vapor Incinerators. This procedure is to be used for all combustion vapor processing systems.
- d. The following methods shall be used to determine the total organic compound concentration exiting the vapor combustion system:
 - i. Method 25A, Determination of Total Gaseous Organic Concentration Using Flame Ionization Analyzer; or
 - ii. Method 25B, Determination of Total Gaseous Organic Concentration Using a Nondispersive Infrared Analyzer.
- e. Terminal records or readings from gasoline dispensing meters at the bottom loading load rack shall be used to determine the volume of gasoline dispensed during the performance test period.

Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless such deviations are approved by the Department of Health before the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, 40 CFR §60.8, 40 CFR §60.503; SIP §11-60-15)^{1,2}

5. Performance Test Plan

At least thirty (30) days prior to conducting the performance test, the permittee shall submit a written performance test plan to the Department of Health that includes date(s) of the test, test duration, test methods, source operation, and any other parameters that may affect the test results. A test plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR 60.8)¹

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6. Performance Test Report

Within sixty (60) days after completion of the performance test, the permittee shall submit to the Department of Health the test report which includes the operating conditions of the bottom loading load rack and the vapor combustion system at the time of the test (e.g., gasoline throughput), the summarized test results, other pertinent support calculations, and field/laboratory data.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161;
40 CFR 60.503; SIP §11-60-15)^{1,2}

7. Performance Test Waiver

Upon written request and justification, the Department of Health may waive the requirement for a specific annual source performance test required by Attachment IIB, Special Condition No. F.1. The waiver request is to be submitted prior to the required source test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior test indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous source performance test.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section G. Agency Notification

1. Any document (including reports) required to be submitted by this covered source permit shall be in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹ The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permits, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

² The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II - INSIG: SPECIAL CONDITIONS
INSIGNIFICANT ACTIVITIES
COVERED SOURCE PERMIT NO. 0080-01-C**

[Issuance Date]

Expiration Date: June 2, 2009

In addition to the standard conditions of the covered source permit, the following special conditions shall apply to the permitted facility:

Section A. Equipment Description

1. Attachment II - INSIG encompasses the following insignificant activities:
 - a. 6,147 barrel vertical fixed cone roof Tank No. 3;
 - b. 9,166 barrel vertical fixed cone roof Tank No. 14;
 - c. 432 barrel vertical fixed cone roof Tank No. 16;
 - d. 34,274 barrel vertical fixed cone roof Tank No. 21;
 - e. 179 barrel horizontal fixed roof additive Tank No. 22;
 - f. 500 gallon transmix tank;
 - g. 499 gallon propane tank;
 - h. two (2) 400 gallon portable tote tanks;
 - i. 7,000 gallon concrete sump; and
 - j. AFL oil water separator.

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

1. The permittee shall take measures to operate insignificant activities in accordance with the provisions of HAR, Subchapter 2.
2. The Department of Health may at any time require the permittee to further abate emissions if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-82, §11-60.1-90)

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-82, §11-60.1-90)

Section C. Monitoring and Recordkeeping Requirements

1. The Department of Health reserves the right to require monitoring, recordkeeping, or testing of any insignificant activity to determine compliance with the applicable requirements.
2. All records shall be maintained for at least five (5) years from the date of any required monitoring, recordkeeping, testing, or reporting. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their authorized representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

Section D. Notification and Reporting

1. During the permit term, the permittee shall submit at least annually to the Department of Health and U.S. EPA Region 9 the attached **Compliance Certification Form** pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:
 - a. The identification of each term or condition of the permit that is the basis of the certification;
 - b. The compliance status;
 - c. Whether compliance was continuous or intermittent;
 - d. The methods used for determining the compliance status of the source currently and over the reporting period;
 - e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification, including the requirements of Section 114 (a) (3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504 (b) of the Clean Air Act; and
 - f. Any additional information as required by the Department of Health including information to determine compliance.

In lieu of addressing each emission unit as specified in the **Compliance Certification Form**, the permittee may address insignificant activities as a single unit provided compliance is met with all applicable requirements. If compliance is not totally attained, the permittee shall identify the specific insignificant activity and provide the details associated with the noncompliance.

The compliance certification shall be submitted within **ninety (90) days** after the end of each calendar year, and shall be signed and dated by a responsible official or authorized representative.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

Section E. Agency Notification

1. Any document (including reports) required to be submitted by this covered source permit shall be done in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

PROPOSED

ATTACHMENT III: ANNUAL FEE REQUIREMENTS COVERED SOURCE PERMIT NO. 0080-01-C

[Issuance Date]

Expiration Date: June 2, 2009

The following requirements for the submittal of annual fees are established pursuant to Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control. Should HAR, Chapter 60.1 be revised such that the following requirements are in conflict with the provisions of HAR, Chapter 60.1, the permittee shall comply with the provisions of HAR, Chapter 60.1:

1. Annual fees shall be paid in full:
 - a. Within **sixty (60) days** after the end of each calendar year; and
 - b. Within **thirty (30) days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

**Clean Air Branch
Environmental Management Division
Hawaii Department of Health
P. O. Box 3378
Honolulu, HI 96801-3378**

PROPOSED

ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS COVERED SOURCE PERMIT NO. 0080-01-C

[Issuance Date]

Expiration Date: June 2, 2009

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

1. Complete the attached forms:

Annual Emissions Report Form: Storage Tanks

Annual Emissions Report Form: Bottom Loading Load Rack

2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

**Clean Air Branch
Environmental Management Division
Hawaii Department of Health
P. O. Box 3378
Honolulu, HI 96801-3378**

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health upon request.
4. Any information submitted to the Department of Health without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information including information concerning secret processes or methods of manufacturing, by submitting a written request to the Director and clearly identifying the specific information that is to be accorded confidential treatment.

PROPOSED

COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0080-01-C
(PAGE 1 OF 2)

[Issuance Date]

Expiration Date: June 2, 2009

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following certification at least annually, or more frequently as set by an applicable requirement:

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

Complete the following information for **each** term or condition of the permit that applies to **each** emissions unit at the source. Also include any additional information as required by the director. The compliance certification may reference information contained in a previous compliance certification submittal to the director, provided such referenced information is certified as being current and still applicable.

1. Current permit number: _____

2. Emissions Unit No./Description: _____

3. Identify the permit term(s) or condition(s) that is/are the basis of this certification:

4. Compliance status during the reporting period:

a. Has the emissions unit been in compliance with the identified permit term(s) or condition(s)?

☐ YES

☐ NO

b. If YES, was compliance continuous or intermittent?

☐ Continuous

☐ Intermittent

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0080-01-C
(CONTINUED, PAGE 2 OF 2)**

c. If NO, explain.

5. The methods used for determining the compliance status of the emissions unit currently and over the reporting period (e.g., monitoring, recordkeeping, reporting, test methods, etc.):

Provide a detailed description of the methods used to determine compliance: (e.g., monitoring device type and location, test method description, or parameter being recorded, frequency of recordkeeping, etc.)

6. Statement of Compliance with Enhanced Monitoring and Compliance Certification Requirements.

a. Is the emissions unit identified in this application in compliance with applicable enhanced monitoring and compliance certification requirements?

☐ YES

☐ NO

b. If YES, identify those requirements:

c. If NO, describe below which requirements are not being met:

PROPOSED

**ANNUAL EMISSIONS REPORT FORM
STORAGE TANKS
COVERED SOURCE PERMIT NO. 0080-01-C
(PAGE 1 OF 2)**

[Issuance Date]

Expiration Date: June 2, 2009

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Facility Name: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official and Title (Print): _____

Title: _____

Responsible Official (Signature): _____

TANK & PRODUCT DESCRIPTION	TANK NUMBER								
	1			2			4		
TANK CAPACITY (bbl)									
TANK DIAMETER (ft)									
TANK EXTERIOR COLOR									
DECK TYPE (bolted/welded)									
PRODUCT NAME	1			1			1		
	2			2			2		
	3			3			3		
TRUE VAPOR PRESSURE (psia)	1	2	3	1	2	3	1	2	3
LIQUID MOLECULAR WEIGHT									
VAPOR MOLECULAR WEIGHT									
AVG. STORAGE TEMPERATURE (°F)									
ANNUAL THROUGHPUT (bbls)	1			1			1		
	2			2			2		
	3			3			3		

PROPOSED

**ANNUAL EMISSIONS REPORT FORM
STORAGE TANKS
COVERED SOURCE PERMIT NO. 0080-01-C
(CONTINUED, PAGE 2 OF 2)**

[Issuance Date]

Expiration Date: June 2, 2009

TANK & PRODUCT DESCRIPTION	TANK NUMBER					
	5			12		
TANK CAPACITY (bbl)						
TANK DIAMETER (ft)						
TANK EXTERIOR COLOR						
DECK TYPE (bolted/welded)						
PRODUCT NAME	1			1		
	2			2		
	3			3		
TRUE VAPOR PRESSURE (psia)	1	2	3	1	2	3
LIQUID MOLECULAR WEIGHT						
VAPOR MOLECULAR WEIGHT						
AVG. STORAGE TEMPERATURE (°F)						
ANNUAL THROUGHPUT (bbls)	1			1		
	2			2		
	3			3		

PROPOSED

**MONITORING REPORT FORM
STORAGE TANKS
COVERED SOURCE PERMIT NO. 0080-01-C**

[Issuance Date]**Expiration Date: June 2, 2009**

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

1. True Vapor Pressure Exceedances above 11 psia

Tank No.	Vapor Pressure (psia)	How Determined	Type of Fuel Stored	Period of Exceedance	Storage Temperature (°F)

2. Tank Inspection Summary

Tank No.	Inspection Date	Deficiencies Found (Yes/No)	Description of Deficiencies/Defects	Date and Description of Repair Made	Date Tank was Last Emptied

PROPOSED

**ANNUAL EMISSIONS REPORT FORM
BOTTOM LOADING LOAD RACK
COVERED SOURCE PERMIT NO. 0080-01-C**

[Issuance Date]

Expiration Date: June 2, 2009

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Facility Name: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

Product	Total Throughput (barrels/yr)
Aviation Gasoline	
Ethanol	
High Sulfur Diesel	
Low Sulfur Diesel	
Jet A	
Motor Gasoline	
Naphtha	

PROPOSED

**MONITORING REPORT FORM
BOTTOM LOADING LOAD RACK
COVERED SOURCE PERMIT NO. 0080-01-C
(PAGE 1 OF 4)**

[Issuance Date]**Expiration Date: June 2, 2009**

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Facility Name: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official and Title (Print): _____

Title: _____

Responsible Official (Signature): _____

1. Combined Throughput

Month	Product				
	Aviation Gasoline (barrels)	Ethanol (barrels)	Motor Gasoline (barrels)	Naphtha (barrels)	Total Combined Product Throughput 12-Month Rolling Basis (barrels)
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					

PROPOSED

**MONITORING REPORT FORM
BOTTOM LOADING LOAD RACK
COVERED SOURCE PERMIT NO. 0080-01-C
(CONTINUED, PAGE 2 OF 4)**

[Issuance Date]

Expiration Date: June 2, 2009

2. Identify in the table below all incidences when a pilot flame was not present at the vapor combustion system during tank truck loading at the bottom loading load rack:

[illegible]

PROPOSED

**MONITORING REPORT FORM
BOTTOM LOADING LOAD RACK
COVERED SOURCE PERMIT NO. 0080-01-C
(CONTINUED, PAGE 3 OF 4)**

[Issuance Date]

Expiration Date: June 2, 2009

4. Bottom Loading Load Rack Inspection Summary:

Month	Inspection Date	Leaks Detected (Yes/No)	Nature of Leak or Defect	Leak Determination Method	Date and Description of Repair Made
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					

PROPOSED

**MONITORING REPORT FORM
BOTTOM LOADING LOAD RACK
COVERED SOURCE PERMIT NO. 0080-01-C
(CONTINUED, PAGE 4 OF 4)**

[Issuance Date]

Expiration Date: June 2, 2009

5. Vapor Combustion System Visible Emissions Summary:

Month	Inspection Date	Visible Emissions Detected (Yes/No)	Emissions Description (e.g., color, heavy, light)	Corrective Action
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

PROPOSED

**MONITORING REPORT FORM
VISIBLE EMISSIONS
COVERED SOURCE PERMIT NO. 0080-01-C**

[Issuance Date]

Expiration Date: June 2, 2009

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information **semi-annually**:

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

Visible Emissions:

Report the following on the lines provided below: all date(s) and six (6) minute average opacity reading(s) which the opacity limit was exceeded during the monthly observations; or if there were no exceedances during the monthly observations, then write no exceedances in the comment column.

[illegible]

PROPOSED

**VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0080-01-C**

[Issuance Date]

Expiration Date: June 2, 2009

The **Visible Emissions (V.E.) Form** shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with 40 CFR Part 60, Appendix A, Method 9 or use of a Ringelmann Chart as provided. At least **annually** (*calendar year*), V.E. observations shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The V.E. Form shall be completed as follows:

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. Stand at least three (3) stack heights, but not more than a quarter mile from the stack.
4. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
5. The six (6) minute average opacity reading shall be calculated for each observation.
6. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
 - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
 - e. The equipment shall be operating at maximum permitted capacity.
7. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed V.E. Forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five years, and made available to the Department of Health, or their representative upon request.

Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective equipment's V.E. monitoring requirements for the month the performance test is performed.

PROPOSED

**VISIBLE EMISSIONS FORM
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0080-01-C**

[Issuance Date]**Expiration Date: June 2, 2009**

(Make Copies for Future Use for Each Stack or Emission Point)

Permit No.: _____

Company Name: _____

Equipment and Fuel: _____

Stack **X**
 Sun 
 Wind 

Draw North Arrow

**Site Conditions:**

Stack height above ground (ft): _____

Stack distance from observer (ft): _____

Emission color (black or white): _____

Sky conditions (% cloud cover): _____

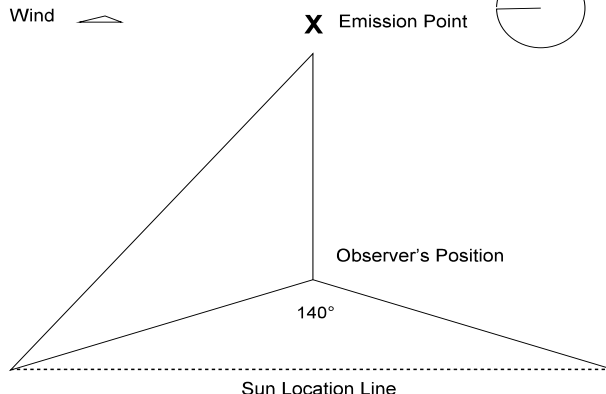
Wind speed (mph): _____

Temperature (°F): _____

Observer Name: _____

Certified? (Yes/No): _____

Observation Date and Start Time: _____



SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

Observation Date and Start Time: _____

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					